



Remote Sensing Applications Division (RSAD)

CDR Program Office

Weekly Report for Dec 14, 2012
Jeff Privette, Acting Chief

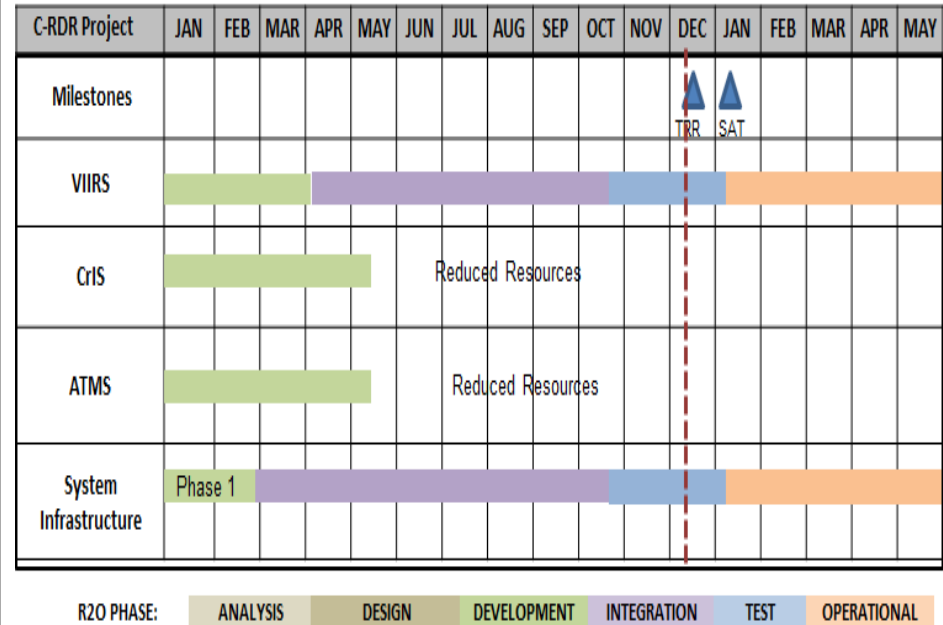


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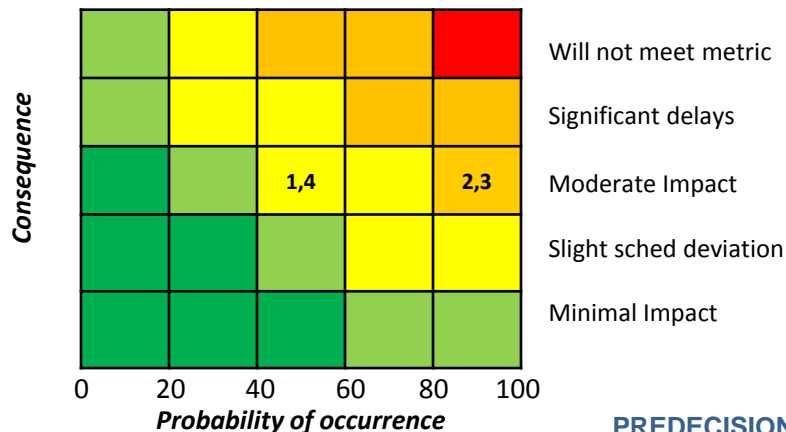
NPP/JPSS Climate Raw Data Records (C-RDRs) Project

Weekly Report – December 14, 2012

- ① **VIIRS**
 - Completed code for C-RDR and Support Data..
- ② **CrIS**
 - Postponed.
- ③ **ATMS**
 - Postponed.
- ④ **System Infrastructure**
 - Integrating with the VIIRS C-RDR.
 - Completed Verified RDR comparator and verified the first C-RDR.
 - Automating the comparator to be part of the processing.
 - Updating the System Acceptance Test procedure.
 - Integrating: Ingest data from CLASS and producing C-RDRs.
 - Will deliver initial version with ADL 3.1.



Risk Matrix



Risk and Mitigation

VIIRS, CrIS, ATMS –

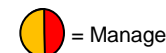
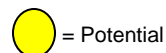
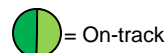
- Resources are being reduced. Delivery of CrIS and ATMS will be delayed.
- Operational software is under maintenance, updated versions may affect C-RDR ported version.

System Infrastructure –

- Reliability of NPP RDRs from CLASS. Need to test ingest of RDRs from CLASS and develop an automated mechanism for re-requesting data.
- Ability of CLASS to handle the frequency and volume of NPP data. CLASS has been successful during system tests.
- Archive in CLASS is currently cost prohibitive. Need to identify alternate archive. Plan to store C-RDRs on HPSS until migration to CLASS.

PREDECISIONAL DRAFT INFORMATION

12/19/2012



= On-track = Potential management action required = Management attention required

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OISST Research to Operations Project

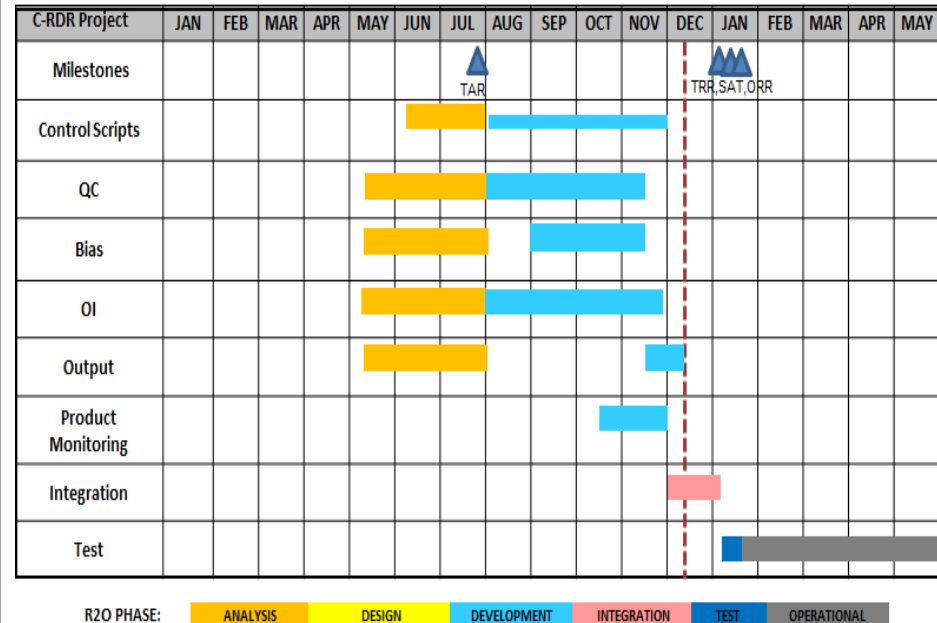
Weekly Report – December 14, 2012

1 OISST – Optimum Interpolated Sea Surface Temperature

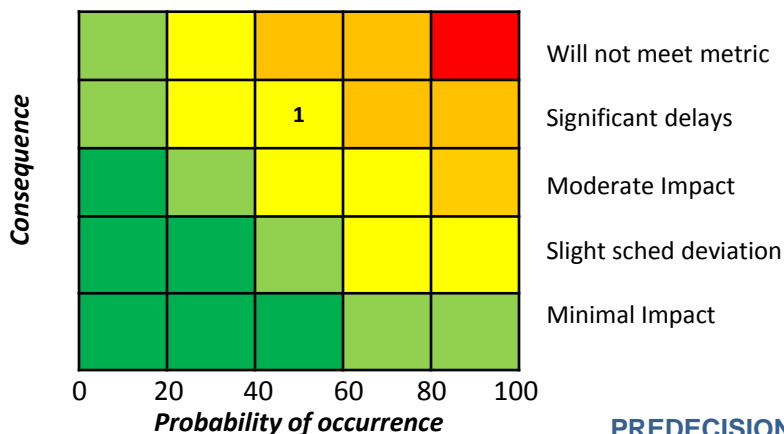
- Need to update the schedule (2-3 week slip and personnel reductions).
- Conducted code review for Bias code.
- Refactoring code (Bias, QC, OI).
- Implementing common logger calls .
- Integrated a common logging utility and identified log levels.
- Investigating the use of SPEC for product monitoring.
- Conducted code review, refactor and unit test of ship_bias.f90.
- Evaluating validity/duplicates in compile options & static analysis.
- Defined list of tasks for refactoring of each component.
- Developing tests (functional & component) to verify code.
- Completed testing of static analysis and complexity tools.
- Conducted Technology Assessment Review July 25.

Operations:

- Updated and tested scripts to handle new sea ice data format.



Risk Matrix



Risk and Mitigation

Resource availability for performing the transition.

Configuration Management (CM) process not defined for operations.

No Quality Assurance team available.

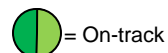
Modifying existing software for internal software changes. Product output must remain unchanged for users.

Common infrastructure for operations is not fully defined.

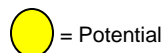
OISST processing will be on a 64 bit architecture.

PREDECISIONAL DRAFT INFORMATION

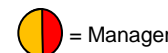
12/19/2012



= On-track



= Potential management action required



= Management attention required



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IOC to FOC Transition for Selected CDRs

Weekly Report – December 14, 2012

1. FY12 PATMOS-x Final Report Presentation

- Presentation will be repeated Friday Dec 14 for Products Branch and others who missed the first time.

2. IOC to FOC / Software Rejuvenation Decision

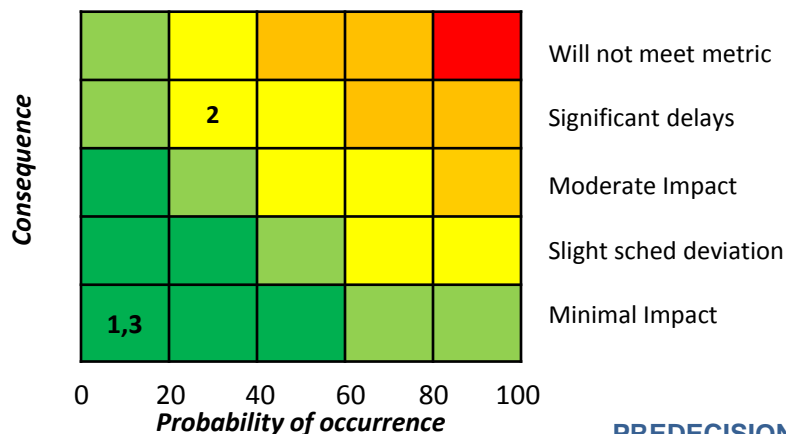
- Received responses to questionnaire containing the seven evaluation criteria from five NCDC SMEs and PIs, covering 9 of the 11 CDRs at IOC, plus OISST, SSMI_S, and the ATM Temp Bundle. Goal is complete this round by Friday Dec 14.
- Decision-making process will include steps to assure stakeholder representation and consensus development. Guided by CMMI specific and generic practices for Decision Analysis and Resolution.

3. Process

- The first sprint will complete Friday Dec 14 with the Sprint Review meeting at 11 am. All welcome.

FY2013 IOC to FOC		N		Dec				Jan				Feb				Ma	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
		4-30	1-7	8-14	15-22	23-29	30-4	5-11	12-19	20-26	27-1	2-8	9-15	16-22	23-1	2-8	9-15
Sprint	Principal Focus																
A	IOC to FOC Selection																
B	IOC to FOC Selection																
C	Project Planning																
D	TBD																
E	TBD																
F	TBD																
G	TBD																
H	TBD																
I	TBD																

Risk Matrix



Top Risks and Mitigation

R8. Personnel on task at maximum work load

- With recent budget cuts to the CDRP the personnel still engaged on this task are at maximum work level. More budget challenges could result in the loss of the remaining key personnel and jeopardize the completion of this task.

R10. No sustainable commitment for independent Quality Assurance

- QA will be performed by team. Risk is that this work will not be performed as well as it would be by an experienced, independent QA expert.

RXX. Delays in receiving responses to the seven evaluation criteria will delay the IOC to FOC decision making process.

Risk list needs update

PREDECISIONAL DRAFT INFORMATION